

[This text replaces similarly numbered paragraphs in the [Model Remedial Investigation/Feasibility Study Administrative Order on Consent.](#)]

[U.S. Environmental Protection Agency](#)

[Office of Site Remediation Enforcement](#)

August, 2001

QA/QC INSERTS FOR RI/FS AOC

VIII. WORK TO BE PERFORMED

23. All work performed under this Consent Order shall be under the direction and supervision of qualified personnel. Within 30 days of the effective date of this Order, and before the work outlined below begins, the Respondent(s) shall notify EPA in writing of the names, titles, and qualifications of the personnel, including contractors, subcontractors, consultants and laboratories to be used in carrying out such work.

With respect to any proposed contractor, the Respondent(s) shall demonstrate that the proposed contractor has a quality system which complies with ANSI/ASQC E4-1994, "Specifications and Guidelines for Quality Systems for Environmental Data Collection and Environmental Technology Programs," (American National Standard, January 5, 1995), by submitting a copy of the proposed contractor's Quality Management Plan (QMP). The QMP should be prepared in accordance with "EPA Requirements for Quality Management Plans (QA/R-2)," (EPA/240/B-01/002, March 2001) or equivalent documentation as determined by EPA. The qualifications of the persons undertaking the work for Respondent(s) shall be subject to EPA's review, for verification that such persons meet minimum technical background and experience requirements. This Order is contingent on Respondent(s)' demonstration to EPA's satisfaction that Respondent(s) is qualified to perform properly and promptly the actions set forth in this Consent Order. If EPA disapproves in writing of any person(s)' technical qualifications, Respondent(s) shall notify EPA of the identity and qualifications of the replacement(s) within 30 days of the written notice. If EPA subsequently disapproves of the replacement(s), EPA reserves the right to terminate this Order and to conduct a complete RI/FS, and to seek reimbursement for costs and penalties from Respondent(s). During the course of the RI/FS, Respondent(s) shall notify EPA in writing of any changes or additions in the personnel used to carry out such work, providing their names, titles, and qualifications. EPA shall have the same right to approve changes and additions to personnel as it has hereunder regarding the initial notification.

24. Respondent(s) shall conduct activities and submit deliverables as provided by the attached RI/FS Statement of Work, which is incorporated by reference, for the development of the RI/FS. All such work shall be conducted in accordance with CERCLA, the NCP, and EPA guidance including, but not limited to, the "Interim Final Guidance for Conducting Remedial Investigations and Feasibility Studies under CERCLA" (OSWER Directive # 9355.3-01), "Guidance for Data Useability in Risk Assessment" (OSWER Directive #9285.7-05) and guidances referenced therein, and guidances referenced in the Statement of Work, as may be amended or modified by EPA. The general activities that Respondent(s) is required to perform are identified below, followed by a list of deliverables. The tasks that Respondent(s) must perform are described more fully in the Statement of Work and guidances. The activities and deliverables identified below shall be developed as provisions in the work plan and sampling and analysis plan, and shall be submitted to EPA as provided. All work performed under this Consent Order shall be in accordance with the schedules herein, and in full accordance with the standards, specifications, and other requirements of the work plan and sampling and analysis plan, as initially approved or modified by EPA, and as may be amended or modified by EPA from time to time. For the purposed of this Order, day means calendar day unless otherwise noted in the Order.

A. Task I: Scoping. EPA determines the site-specific objectives of the RI/FS and devises a general management approach for the site, as stated in the attached Statement of Work. Respondent(s) shall conduct the remainder of scoping activities as described in the attached Statement of Work and referenced guidances. At the conclusion of the project planning phase, Respondent(s) shall provide EPA with the following deliverables:

1. RI/FS Work Plan. Within ____ days of the effective date of this Order, Respondent(s) shall submit to EPA a complete RI/FS work plan. If EPA disapproves of or requires revisions to the RI/FS work plan, in whole or in part, Respondent(s) shall amend and submit to EPA a revised work plan which is responsive to the directions in all EPA comments, within ____ days of receiving EPA's comments.
2. Sampling and Analysis Plan. Within ____ days of the effective date of this Order, Respondent(s) shall submit to EPA the sampling and analysis plan. This plan shall consist of a field sampling plan (FSP) and a quality assurance project plan (QAPP), as described in the Statement of Work and guidances, **including, without limitation, "EPA Guidance for Quality Assurance Project Plans (QA/G-5)" (EPA/600/R-98/018, February 1998), and "EPA Requirements for Quality Assurance Project Plans (QA/R-5)" (EPA 240/B-01/003, March 2001).** If EPA disapproves of or requires revisions to the sampling and analysis

plan, in whole or in part, Respondent(s) shall amend and submit to EPA a revised sampling and analysis plan which is responsive to the directions in all EPA comments, within ____ days of receiving EPA's comments.

XI. QUALITY ASSURANCE

37. Respondent(s) shall assure that work performed, samples taken and analyses conducted conform to the requirements of the Statement of Work, the QAPP and guidances identified therein. Respondent(s) will assure that field personnel used by Respondent(s) are properly trained in the use of field equipment and in chain of custody procedures. Respondent(s) shall only use laboratories which have a documented quality system that complies with ANSI/ASQC E4-1994, "Specifications and Guidelines for Quality Systems for Environmental Data Collection and Environmental Technology Programs," (American National Standard, January 5, 1995) and "EPA Requirements for Quality Management Plans (QA/R-2)" (EPA/240/B-01/002, March 2001) or equivalent documentation as determined by EPA. EPA may consider laboratories accredited under the National Environmental Laboratory Accreditation Program (NELAP) to meet the quality system requirements.